

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Lawsonia inermis*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	1,2-DIHYDROXY-4-GLUCOSYLNAPTHALENE	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
3	1,4-NAPHTHOQUINONE	Leaf	--	--		
32	AESCULETIN	Leaf	--	--		
5	ALPHA-IONONE	Flower	20	40		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	ALPHA-IONONE	Flower Essent. Oil	--	180000		
1	BEHENIC-ACID	Seed Oil	--	16900	0.4016806247889112	
1	BEHENIC-ACID	Oil	--	17000		Duke, J. A. and duCellier, J. L. 1993. CRC Handbook of Alternative Cash Crops. CRC Press. Boca Raton, FL 33431. 536 pp. US \$312.50.
1	BEHENIC-ACID	Seed	945	2065	-0.4847994304898227	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
13	BETA-IONONE	Flower Essent. Oil	--	720000		
13	BETA-IONONE	Flower	80	160	-0.5452962043746039	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
47	BETA-SITOSTEROL	Bark	--	--		

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47	BETA-SITOSTEROL	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
13	BETULIN	Bark	--	--		
13	BETULIN	Plant	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
22	BETULINIC-ACID	Bark	--	--		
22	BETULINIC-ACID	Plant	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
4	COSMOIIN	Leaf	--	--		
3	CYNAROSIDE	Leaf	525	1500		
5	DAUCOSTEROL	Leaf	123	1000		
30	ESCULETIN	Leaf	--	--		
15	FIBER	Seed	335000	372200	1.874718165586639	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
12	FRAXETIN	Leaf	50000	100000		
1	GALACTOSE	Leaf	--	--		
62	GALLIC-ACID	Leaf	--	69000	1.5912684328301319	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	GLUCOSE	Leaf	--	--		
1	ISOPLUMBAGIN	Stem Bark	--	500		
1	ISOPLUMBAGIN	Bark	--	--		
7	LAURIC-ACID	Seed Oil	--	--		
1	LAWSARITOL	Bark	--	--		
1	LAWSARITOL	Resin, Exudate, Sap	--	80		
26	LAWSONE	Seed	--	130		
26	LAWSONE	Leaf	4300	40000		
26	LAWSONE	Petiole	2500	25000		
26	LAWSONE	Bark	--	--		
27	LINOLEIC-ACID	Oil	--	293000		
27	LINOLEIC-ACID	Seed	16415	35820	-0.6109242994855738	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
21	LUPEOL	Bark	--	--		
21	LUPEOL	Plant	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
78	LUTEOLIN	Leaf	--	29	-0.5868818953220738	

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78	LUTEOLIN	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
2	LUTEOLIN-7-O-GLUCOSIDE	Leaf	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
18	MANNITOL	Leaf	--	--		
6	MYRISTIC-ACID	Seed Oil	--	--		
18	OLEIC-ACID	Seed	19410	42360	-0.6308761398796081	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
18	OLEIC-ACID	Oil	346600	347000		
13	PALMITIC-ACID	Oil	90700	91000		
13	PALMITIC-ACID	Seed	5080	11085	-0.4708815318438094	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	RESEDINE	Plant	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
44	SCOPOLETIN	Leaf	--	--		
8	STEARIC-ACID	Oil	157800	158000		
8	STEARIC-ACID	Seed	8835	19285	-0.1469710263684741	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

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12	STIGMASTEROL	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
14	SUCROSE	Leaf	--	--		
1	TRIACONTAN-1-OL	Bark	--	--		
6	XANTHONES	Leaf	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
3	XYLOSE	Leaf	--	--		